## IN THE CLAIMS:

Please amend claims 17, 18, 21, 22, 23, 25 and 26 as indicated in the following.

## Claims Listing:

- 1. (Canceled)
- (Previously Presented) The transceiving unit as recited in claim 28 wherein the baseband processor comprises first and second means for supporting concurrent voice and data communications.
- 3. (Previously Presented) The transceiving unit as recited in claim 28 wherein each time slot comprises a 32-bit preamble for synchronization, a 64 bit A-field for signaling and a B-field comprising 320 bits and 4 bit for CRC.
  - 4. (Canceled)
  - 5. (Canceled)
  - 6. (Canceled)
  - 7. (Canceled)
- 8. (Previously Presented) The transceiving unit as recited in claim 28 wherein unequal amounts of time slots are allocated between voice and data communications.
- 9. (Previously Presented) The transceiving unit as recited in claim 28 wherein time slots 1,2,3 and 9, 10, 11 are allocated for data communications and time slots 4, 5, 6 and 12, 13, 14 are allocated for voice communications.
- 10. (Original) The transceiving unit as recited in claim 9 wherein time slot 8 is allocated to program the transmit carrier frequency and slot 16 is allocated to program the receive carrier frequency.

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- 11. (Previously Presented) The transceiving unit as recited in claim 9 wherein time slots 1,2,3 and 9, 10, 11 allocate 80 bits in a B field of each time slot to a Forward Error Correction Code (FECC).
- 12. (Previously Presented) The transceiving unit as recited in claim 9 wherein time slots 4, 5, 6 and 12, 13, 14 allocate an entire B field of each time slot to voice information.
  - 13. (Canceled)
  - 14. (Canceled)
  - 15. (Canceled)
  - 16. (Canceled)
- 17. (Currently Amended) A wireless communications method over the industrialscientific-medical (ISM) spectrum comprising:
  - (a) transceiving information in a 2.4 to 2.5 GHz band to support concurrent voice and data information packetized into plural time slots within a time frame, each of the plural time slots being associated with a different one of the at least seventy-fivea first plurality of carrier frequencies, and each of the plural time slots changes changing to a different one of the at least seventy fiveanother one of the first plurality of carrier frequencies after a predetermined number of consecutive frames, and wherein at least one time slot of the plural time slots shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the plural time slots; and
  - (b) a processor to provide time slot and frame timing for step (a) such that at-least seventy fivethe first plurality of carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained.
- 18. (Currently Amended) The method as recited in claim 17 further comprising providing time slot and frame timing such that seventy-five earrier frequencies the first plurality

of carrier frequencies includes seventy-five carrier frequencies that are programmed ranging between 2401.122 MHz to 2479.813 MHz and spaced 1.063 MHz apart.

- 19. (Previously Presented) The method as recited in claim 18 further comprising providing time slot and frame timing such that each of the seventy-five carrier frequencies supports a ten-millisecond frame.
- 20. (Currently Amended) A system for wireless communications over the industrialscientific-medical spectrum comprising:
  - (a) a base station unit having a first transceiving unit;
  - (b) a cordless personal access device having a second transceiving unit; and,
  - (c) the first and second transceiving units including:
    - (i) an RF sub-module for transceiving information in a 2.4 to 2.5 GHz band; and and
    - (ii) a processor coupled and adapted to provide time slot and frame timing to the RF sub-module wherein at least seventy five a first plurality of carrier frequencies between 2.4 GHz and 2.4835 GHz and a minimum hop rate of 2.5 hops per second are maintained and to support a frame that has sixteen time slots that change carrier channels after two consecutive frames, wherein at least one time slot of the frame shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the frame.
  - 21. (Currently Amended) A method comprising:
    - (a) determining a current frame of at least seventy five framesa first plurality of frames to transmit data to a target device, each frame of the at least seventy fivefirst plurality of frames residing at a unique carrier range in a 2.4 to 2.5 GHz band:
    - (b) determining data to be transmitted over a plurality of time slots of the current frame, wherein at least one time slot of the plurality of time slots shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a

- set of FECC bits with at least one adjacent time slot of the plurality of time slots;
- (c) determining a different frame of the at least seventy five first plurality of frames, wherein the different frame and the current frame are not the same frame; and
- (d) identifying the different frame as the current frame after a predetermined number of frame cycles, and repeating (b), (c) and (d).
- 22. (Previously Presented) The method of claim 21 wherein the plurality of time slots is sixteen time slots.
- 23. (Currently Amended) The method of claim 22, wherein each frame of the et-least seventy-five frames is the first plurality of frames includes seventy-five frames spaced 1.063 MHz apart.
- 24. (Previously Presented) The method of claim 23, wherein each frame has a tenmillisecond duration.
- 25. (Currently Amended) The method of claim 21, wherein the first plurality of frames includes seventy-five frames each frame of the at least seventy five frames is spaced 1.063 MHz apart.
- 26. (Currently Amended) The method of elaim 21claim 25, wherein each frame has a ten-millisecond duration.
- 27. (Previously Presented) The method of claim 28, wherein the predetermined number of consecutive frames is two.
- 28. (Previously Presented) A transceiving unit for wireless communications over the industrial-scientific-medical (ISM) spectrum comprising:
  - (a) an RF sub-module for transceiving information in a predefined frequency band; and

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- (b) a processor coupled and adapted to provide time slot and frame timing to the RF submodule, wherein N hopping frequencies ranging between X MHz and Y MHz and a minimum hop rate of Z hops per second are maintained, the N hopping frequencies are spaced K MHz apart and each of the N hopping frequencies support an R millisecond frame having M time slots that change carrier signals after a predetermined number of consecutive frames, and wherein at least one time slot of the frame shares at least one of a set of sync bits, a set of signaling bits, a set of CRC bits or a set of FECC bits with at least one adjacent time slot of the frame, and wherein N and M are integers and K, R, X and Y are real numbers.
- 29. (Previously Presented) The transceiving unit of claim 28, wherein N is 75, M is 16 and Z is approximately 2.5.
- 30. (Previously Presented) The transceiving unit of claim 29, wherein K is approximately 1.063, R is approximately 10, X is approximately 2401.122 and Y is approximately 2479.813.